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APPLICATION NO.	FI	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/026,020 12/27/2001		12/27/2001	Ralph H. Johnson	V637-02670 US	6112	
128	7590	08/26/2003				
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MORRISTO	MORRISTOWN, NJ 07962-2245			ART UNIT	PAPER NUMBER	
				2828	2828	
				DATE MAILED: 08/26/2003	DATE MAILED: 08/26/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

		<u> </u>					
10.	Application No.	Applicant(s)					
Advisory Action	10/026,020	JOHNSON, RALPH H.					
, , , , , , , , , , , , , , , , , , , ,	Examiner	Art Unit					
	Tuan M Nguyen	2828					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address							
THE REPLY FILED 07 August 2003 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. Therefore, further action by the applicant is required to avoid abandonment of this application. A proper reply to a final rejection under 37 CFR 1.113 may only be either: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114.							
PERIOD FOR REPLY [check either a) or b)]							
a) The period for reply expires 3 months from the mailing da b) The period for reply expires on: (1) the mailing date of this no event, however, will the statutory period for reply expire ONLY CHECK THIS BOX WHEN THE FIRST REPLY WA 706.07(f).	Advisory Action, or (2) the date set forth later than SIX MONTHS from the mailin	g date of the final rejection.					
Extensions of time may be obtained under 37 CFR 1.136(a). The fee have been filed is the date for purposes of determining the period fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of (2) as set forth in (b) above, if checked. Any reply received by the Off timely filed, may reduce any earned patent term adjustment. See 37	of extension and the corresponding amount of the shortened statutory period for reply fice later than three months after the main	ount of the fee. The appropriate extension originally set in the final Office action; or					
1. A Notice of Appeal was filed on Appellant's Brief must be filed within the period set forth in 37 CFR 1.192(a), or any extension thereof (37 CFR 1.191(d)), to avoid dismissal of the appeal.							
2. The proposed amendment(s) will not be entered because:							
(a) 🛛 they raise new issues that would require furth	ner consideration and/or search (see NOTE below);					
(b) they raise the issue of new matter (see Note	below);						
(c) \times they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or							
(d) they present additional claims without canceling a corresponding number of finally rejected claims.							
NOTE: See Continuation Sheet.							
3. Applicant's reply has overcome the following rejection(s):							
4. Newly proposed or amended claim(s) would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).							
5. The a) affidavit, b) exhibit, or c) request for reconsideration has been considered but does NOT place the application in condition for allowance because:							
6. The affidavit or exhibit will NOT be considered because it is not directed SOLELY to issues which were newly raised by the Examiner in the final rejection.							
7.⊠ For purposes of Appeal, the proposed amendment(s) a)⊠ will not be entered or b)☐ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.							
The status of the claim(s) is (or will be) as follows:							
Claim(s) allowed:							
Claim(s) objected to:							
Claim(s) rejected: <u>1-28 and 45-59</u> .							
Claim(s) withdrawn from consideration:							
☐ The proposed drawing correction filed on is a)☐ approved or b)☐ disapproved by the Examiner.							
9. Note the attached Information Disclosure Statement(s)(PTO-1449) Paper No(s). ✓ ✓ ✓							
9. Note the attached Information Disclosure Statement(s)(PTO-1449) Paper No(s) PAUL IP							
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Gentinuation of 2. NOTE: The amendment after final filed on 8/7/2003 raises new issues said "depth is defined as the difference between a valence band offset and a conductin band offset". Figure 2b shows the quantum well thickness between 10 to 100 in terms of meV including 40 meV. Figure 3 shows InGaAs quantum wells on GaAs, GaAs barrier layers, note col. 16 line 33, AlGaAs barrier, note col. 29 line 45 and quantum well comprised of InGaAsSb, note col. 32 line 6, the barriers or confining layers 54' and 70' comprising of GaAs are disposed on either side of quantum well 126', 128', see figure 9b. The claims recite alternative substitution elements such as N, Al, In, Sb with the basic semiconductor material GaAs. Since it has been held to be within the general skill of a worker in the art to select a known material on the basic of its suitability for the intended use as a matter of obvious design choice. In re Leshin, 125 USPQ 416..